WHAT IS CLAIMED IS:

1. For use in an IS-2000-compatible wireless network, a mobile station capable of receiving data from a first base station of said wireless network simultaneously in a first code division multiple access (CDMA) channel and a second CDMA channel, wherein said mobile station is capable of transmitting a capability message to said first base station, said capability message comprising a field indicating that said mobile station is capable of simultaneously operating in a Forward Packet Data channel (F-PDCH) and a Forward Supplemental channel (F-SCH).

2. The mobile station as set forth in Claim 1, wherein said capability message is an Origination message and said field comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

3. The mobile station as set forth in Claim 1, wherein said capability message is a Page Response message and said field comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

4. The mobile station as set forth in Claim 3, wherein said mobile station transmits said Page Response message in response to a Page message received from said first base station.

5. The mobile station as set forth in Claim 1, wherein said capability message is one of a Status Response message, an Extended Status Response message, and a Channel Configuration Capability Information message.

6. The mobile station as set forth in Claim 5, wherein said Channel Configuration Capability Information message comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

7. The mobile station as set forth in Claim 1, wherein said mobile station is capable of receiving a dynamic allocation message from said first base station and wherein said mobile station, in response to receipt said dynamic allocation message, is capable of receiving at least one of voice traffic and data traffic on said Forward Supplemental channel while said mobile station is receiving at least one of voice traffic and data traffic on said Forward Packet Data channel.

8. The mobile station as set forth in Claim 1, wherein said mobile station is capable of receiving a dynamic allocation message from said first base station and wherein said mobile station, in response to receipt said dynamic allocation message, is capable of receiving at least one of voice traffic and data traffic on said Forward Packet Data channel while said mobile station is receiving at least one of voice traffic and data traffic on said Forward Supplemental channel.

9. For use in an IS-2000-compatible wireless network, a base station capable of transmitting data to a mobile station simultaneously in a first code division multiple access (CDMA) channel and a second CDMA channel, wherein said base station is capable of receiving a capability message transmitted by said mobile station, said capability message comprising a field indicating that said mobile station is capable of simultaneously operating in a Forward Packet Data channel (F-PDCH) and a Forward Supplemental channel (F-SCH), and wherein said base station, in response to receipt of said capability message, transmits a dynamic allocation message to said mobile station, said dynamic allocation message causing said mobile station to receive at least one of voice traffic and data traffic in one of said Forward Supplemental channel and said Forward Packet Data channel while receiving at least one of voice traffic and data traffic on the other one of said Forward Supplemental channel and said Forward Packet Data channel.

10. The base station as set forth in Claim 9, wherein said capability message is an Origination message and said field comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

11. The base station as set forth in Claim 9, wherein said capability message is a Page Response message and said field comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

12. The base station as set forth in Claim 11, wherein said base station transmits a Page message to cause said mobile station to transmit said Page Response message.

13. The base station as set forth in Claim 9, wherein said capability message is one of a Status Response message and an Extended Status Response message containing channel configuration capability information about said mobile station.

14. The base station as set forth in Claim 13, wherein said channel configuration capability information comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

15. An IS-2000-compatible wireless network comprising a plurality of base stations, each of said plurality of base station capable of transmitting data to a mobile station simultaneously in a first code division multiple access (CDMA) channel and a second CDMA channel, wherein said each base station is capable of receiving a capability message transmitted by said mobile station, said capability message comprising a field indicating that said mobile station is capable of simultaneously operating in a Forward Packet Data channel (F-PDCH) and a Forward Supplemental channel (F-SCH), and wherein said each base station, in response to receipt of said capability message, transmits a dynamic allocation message to said mobile station, said dynamic allocation message causing said mobile station to receive at least one of voice traffic and data traffic in one of said Forward Supplemental channel and said Forward Packet Data channel while receiving at least one of voice traffic and data traffic on the other one of said Forward Supplemental channel and said Forward Packet Data channel.

16. The IS-2000-compatible wireless network as set forth in Claim 15, wherein said capability message is an Origination message and said field comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

17. The IS-2000-compatible wireless network as set forth in Claim 15, wherein said capability message is a Page Response message and said field comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

18. The IS-2000-compatible wireless network as set forth in Claim 17, wherein said each base station transmits a Page message to cause said mobile station to transmit said Page Response message.

19. The IS-2000-compatible wireless network as set forth in Claim 15, wherein said capability message is one of a Status Response message and an Extended Status Response message containing channel configuration capability information about said mobile station.

20. The IS-2000-compatible wireless network as set forth in Claim 19, wherein said channel configuration capability information comprises a one-bit flag indicating that said mobile station is capable of simultaneously operating in said Forward Packet Data channel and said Forward Supplemental channel.

21. For use in a base station of an IS-2000-compatible wireless network, a method of transmitting data to a mobile station simultaneously in a first code division multiple access (CDMA) channel and a second CDMA channel, the method comprising the steps of:

receiving a capability message transmitted by the mobile station, the capability message comprising a field indicating that the mobile station is capable of simultaneously operating in a Forward Packet Data channel (F-PDCH) and a Forward Supplemental channel (F-SCH);

in response to receipt of the capability message, transmitting a dynamic allocation message to the mobile station, the dynamic allocation message causing the mobile station to receive at least one of voice traffic and data traffic in one of the Forward Supplemental channel and the Forward Packet Data channel while receiving at least one of voice traffic and data traffic on the other one of the Forward Supplemental channel and the Forward Packet Data channel.